

Material Safety Data Sheet

Effective Date: 20-MAY-1996  
Product: TRACITE LF ZINC

I. IDENTIFICATION

Chemical Name: CHELATED MICRONUTRIENTS  
Chemical Family: INORGANIC METAL SALTS  
Formula: NOT APPLICABLE, FORMULATED MIXTURE.  
Synonyms: ZINC LF  
CAS Number: 7646-85-7 (ZINC CHLORIDE)  
EPA Number: NONE REQUIRED

II. PHYSICAL DATA

Boiling Point: 100 DEGREES C.  
Freezing Point: <25 DEGREES F.  
Spec Gravity: 1.210 GMS/CC  
Vapor Pressure: NOT ESTABLISHED  
Vapor Density: NOT ESTABLISHED  
Solubility: 99%  
Volatiles: <0.5%  
Evaporation: NOT ESTABLISHED  
Melting Point: NOT APPLICABLE  
Appearance: BLACK LIQUID, AMMONIA ODOR.

III. INGREDIENTS

Material	CAS Number	Percent	TLV	Hazard
PROPRIETARY BLEND OF ZINC CHLORIDE, LIGNIN SULFONATE, AND CITRIC ACID TYPICAL COMPOSITION: ZINC (ZN) - 10.00%; CHLORIDE CONTENT < 11.60%		100.00	15 MG/M3	SKIN & EYE IRRITANT

IV. FIRE AND EXPLOSION HAZARD

Flash Point: NOT APPLICABLE  
Autoignition Temp: NOT APPLICABLE  
Flammable Limit: NOT APPLICABLE  
Extinguishing Media: NON-COMBUSTIBLE PRODUCT. USE EXTINGUISHING MEDIA  
FOR UNDERLYING CAUSE OF FIRE.  
Special Fire Fight Proc: WEAR SELF-CONTAINED BREATHING APPARATUS AND  
FULL PROTECTIVE EQUIPMENT. USE WATER SPRAY TO  
KEEP FIRE-EXPOSED CONTAINERS COOL.  
Fire and Expl Hazard: PRODUCT MAY PRODUCE TOXIC AND IRRITATING FUMES  
UNDER FIRE CONDITIONS.

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V. HEALTH HAZARD  
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Carcinogen Information: NONE CURRENTLY KNOWN.

ACUTE EFFECTS OF OVER EXPOSURE  
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Swallowing: INGESTION RESULTS IN VOMITING AND ABDOMINAL  
CRAMPS.  
Skin Absorption: NONE CURRENTLY KNOWN.  
Inhalation: MAY CAUSE NOSE AND THROAT IRRITATION.  
Skin contact: MAY CAUSE SKIN IRRITATION WITH PROLONGED OR  
REPEATED EXPOSURE.  
Eye Contact: EYE IRRITATION, MAY CAUSE DAMAGE.  
Chronic Effects: NONE CURRENTLY KNOWN.  
Other Hazard: NONE CURRENTLY KNOWN.

EMERGENCY AND FIRST AID PROCEDURES  
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Swallowing: IF CONSCIOUS, GIVE WATER WITH LARGE AMOUNTS OF  
DILUTED VINEGAR OR LEMON JUICE. DO NOT INDUCE  
VOMITING. IF IRRITATION DEVELOPS, CONSULT A  
PHYSICIAN.  
Skin: WASH SKIN THOROUGHLY WITH SOAP AND WATER.  
OBTAIN MEDICAL ATTENTION IF IRRITATION DEVELOPS.  
Inhalation: MOVE TO FRESH AIR, OBTAIN MEDICAL ATTENTION IF  
IRRITATION DEVELOPS.  
Eyes: FLUSH EYES WITH WATER FOR 15 MINUTES, HOLDING  
EYELIDS OPEN. OBTAIN MEDICAL ATTENTION IF  
IRRITATION DEVELOPS.  
Notes to Physician: IN THE EVENT OF AN ADVERSE RESPONSE, TREATMENT  
SHOULD BE DIRECTED TOWARD CONTROL OF THE  
SYMPTOMS. INGESTION MAY RESULT IN CORROSIVE  
DAMAGE TO THE DIGESTIVE TRACT.

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VI. REACTIVITY  
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Stability: Stable  
Conditions to Avoid: DO NOT MIX WITH ACIDS OR SILVER COMPOUNDS.  
Polymerization: Will Not Occur  
Conditions to Avoid: NONE CURRENTLY KNOWN.  
Incompatibility material: PRODUCT MAY REACT VIGOROUSLY WITH ACIDIC  
MATERIALS.  
Hazardous Combustion: AMMONIA GAS AND SULPHUR OXIDES UNDER FIRE  
CONDITIONS.

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VI. SPILL OR LEAK PROCEDURES  
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Spill or Leak Proc: CONTAIN PRODUCT, REUSE MATERIAL IF UNCONTAMINATED. IF CONTAMINATED, ABSORB MATERIAL WITH AN ABSORBENT SUCH AS CLAY OR SAND AND PLACE IN SUITABLE CONTAINER FOR PROPER DISPOSAL. DO NOT CONTAMINATE WATER SUPPLIES.

Waste Disposal Method: THIS MATERIAL MUST BE DISPOSED OF ACCORDING TO FEDERAL, STATE, OR LOCAL PROCEDURES UNDER THE RESOURCE CONSERVATION AND RECOVERY ACT.

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VIII. SPECIAL PROTECTION INFORMATION  
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Respiration: USE ONLY NIOSH/MSHA FULL-FACE MASK CARTRIDGE TYPE RESPIRATOR APPROVED FOR AMMONIA GAS.

Ventilation: LOCAL EXHAUST SUFFICIENT.

Gloves: IMPERVIOUS

Eyes: CHEMICAL WORKERS GOGGLES.

Other: EMERGENCY SHOWER, EYE WASH STATION, IMPERVIOUS APRON AND FOOTWEAR.

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IX. SPECIAL PRECAUTIONS  
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Special precaution: KEEP OUT OF REACH OF CHILDREN. DO NOT STORE WITH FOOD, FEED, OR OTHER MATERIAL TO BE USED OR CONSUMED BY HUMANS OR ANIMALS. DO NOT CONTAMINATE WATER SUPPLIES, LAKES, STREAMS, OR PONDS.

Other precaution: A) RCRA HAZARDOUS WASTE NUMBER: D002, CORROSIVITY  
B) SARA TITLE III, SECTION 313: NOT LISTED  
C) SARA THRESHOLD PLANNING QUANTITY: NOT LISTED  
D) CERCLA REPORTABLE QUANTITY: 1,000 LB.  
E) 49 CFR 172.101, APPENDIX A: HAZARDOUS SUBSTANCE  
F) 49 CFR 172.101, APPENDIX B: NOT LISTED

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X. SHIPPING INFORMATION  
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Shipping name: ZINC CHLORIDE, SOLUTION, 8, UN1840, PG III "ERG GUIDE #154"

Hazard Class: CORROSIVE (8)

Identification No: UN1840

Labels Required: CORROSIVE (8)

Placarding: CORROSIVE (8)

Helena Chemical Company  
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CHEMTREC: 800-424-9300

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Freight Class: COMPOUND, FERTILIZER (MANUFACTURED FERTILIZER)  
LIQUID, NOIBN

Chemical Name	Equivalent R.Q.
----- ZINC CHLORIDE	----- 1000 LB (454 KG)

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XI. GENERAL PRODUCT INFORMATION  
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National Fire Protection Association Rating:  
(Rating level: 4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum)

Health: 2                      Fire: 0                      Reactivity: 0

S.A.R.A. Title III Hazard Classification: (Yes/No)

Immediate (Acute) Health: Y	Delayed (Chronic) Health: Y
Sudden Release of pressure: N	Fire: N
Reactive: N	

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Mail inquiries to: 225 Schilling Blvd., Suite 300 Collierville, TN 38017  
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